

Abstract of the Disclosure

An endoscopic or laparoscopic instrument includes a distal tool, a rigid or flexible elongated shaft that supports the distal tool, and a proximal handle or control member, where the tool and the handle are coupled to the respective distal and proximal ends of the elongated shaft via bendable motion members. The tool and the tool motion member are coupled to the handle and the handle motion member via cables and a push rod in such a way that the movement of the handle with respect to the elongated shaft in any direction is replicated by the tool at the distal end of the shaft. The magnitude of the tool motion with respect to the handle motion may be scaled depending on the size of the handle motion member with respect to that of the tool motion member.